	Application No.	Applicant(s)	
Notice of Allowability	09/674,583	BAO, HONGCHANG	
	Examiner	Art Unit	
	Michael N. Opsasnick	2626	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8: NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3:	S (OR REMAINS) CLOSED in this 5) or other appropriate communicat RIGHTS. This application is subjet	application. If not included tion will be mailed in due course. THIS	
1. X This communication is responsive to amendment filed 5/	<u>7/2007</u> .		
2. The allowed claim(s) is/are <u>1-8</u> .			
3. Acknowledgment is made of a claim for foreign priority	under 35 U.S.C. § 119(a)-(d) or (f).		
a) ☑ All b) ☐ Some* c) ☐ None of the:			
1. Certified copies of the priority documents ha	ve been received.		
2. Certified copies of the priority documents ha	ve been received in Application No	·	
3. Copies of the certified copies of the priority of	documents have been received in the	nis national stage application from the	
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:	•		
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be sub	IMENT of this application.		
INFORMAL PATENT APPLICATION (PTO-152) which gi	ives reason(s) why the oath or decl	aration is deficient.	
CORRECTED DRAWINGS (as "replacement sheets") m	ust be submitted.		
(a) ☐ including changes required by the Notice of Draftspe	erson's Patent Drawing Review (P1	CO-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date			
(b) including changes required by the attached Examine Paper No./Mail Date	er's Amendment / Comment or in th	e Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			
 DEPOSIT OF and/or INFORMATION about the dep attached Examiner's comment regarding REQUIREMEN. 	posit of BIOLOGICAL MATERIA T FOR THE DEPOSIT OF BIOLOG	L must be submitted. Note the GICAL MATERIAL.	
Attachment(s)	<u>_</u>		
1. Notice of References Cited (PTO-892)	5. Notice of Informa	• •	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		 Interview Summary (PTO-413), Paper No./Mail Date 	
Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. Examiner's Amer		
Examiner's Comment Regarding Requirement for Deposit of Biological Material		ement of Reasons for Allowance	
-	9.	•	
		Michael N Opsasnick M.J. M.	

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 5/7/2007 has been entered.

35 U.S.C.101

2. Claims 1-8 are statutory with respect to 35 U.S.C. 101 because the claims recite a useful, tangible, concrete result (generating a state speech model representing extracted input speech) which meets the current guidance regarding the 35 U.S.C. 101 Interim Guidelines.

Allowable Subject Matter

- 3. Claims 1-8 are allowed over the prior art of record.
- 4. The following is an examiner's statement of reasons for allowance:

As per claim 1-8, the independent claims pertaining to the generation of a model based upon the state that said data do not exist, on the basis of the noise that has been input at the time

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just preceding the inputting of said data, and then updating the corresponding one that has been stored on said storing step; and measuring a variation of correct speech recognition rate during a time period between activation of a switch and the beginning of speech is not explicitly taught by the prior art of record. With respect to the prior art of record, Chiang teaches a parallel model combination (PMC) circuit (elem. 16, FIG. 3) for generating and storing adapted (updated) HMMs (elem. 14, FIG. 14) based on the noise extracted from the immediately collected input data (col. 4, lines 5-7), however, Chiang does not disclose extracting noise from input just preceding the input of speech data. Erell et al. teaches extracting background noise speech vector right before speech utterance is spoken. (Col. 6, lines 9-12), but does not teach measuring a variation of correct speech recognition rate during a time period between activation of a switch and the beginning of speech. Furthermore, it would not have been obvious to one of ordinary skill in the art of speech signal processing to modify the teachings of the prior art of record to

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

obtain the recited limitations of the independent claims as noted above.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Opsasnick, telephone number (571)272-7623, who is available Tuesday-Thursday, 9am-4pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Mr. Richemond Dorvil, can be reached at (571)272-7602. The fax phone number for

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the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MWM (pour primary examiner

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